From:	Jared Minary
Sent:	Tuesday, January 08, 2019 12:12 PM
To:	Erin Sims
Subject:	Fw: [FVA-List] Vintra, Veritone, Briefcam feedback - AI/facial and object recognition
Attachments:	ATT00001.txt
Follow Up Flag:	Follow up
Flag Status:	Flagged
Categories:	Blue Category

interesting comments

Jared Minary
Forensic Video Technician
Lincoln Police Dept
575 S 10th
Lincoln, Ne 68507
(402) 441-7841

From: fva-list-bounces@lists.umanitoba.ca <fva-list-bounces@lists.umanitoba.ca> on behalf of Darryl Branker <Darryl.Branker@torontopolice.on.ca>
Sent: Tuesday, January 8, 2019 12:05 PM
To: Forensic Video Analysis
Subject: Re: [FVA-List] Vintra, Veritone, Briefcam feedback - AI/facial and object recognition

Good Afternoon:

We have Briefcam here in the unit and most recently looked at Vintra as we were expanding the units capabilities. We use Briefcam to work through large amounts of video. (the investigator module)

Listed specs and performance wise during our recent preliminary comparison, Vintra came out on top overall except that it required a hefty hardware spend for either its enterprise or cloud solution. Unlike Briefcam it serviced a wide array of codecs (Briefcam required mp4 files for its investigator module). Briefcam also seems to require almost perfect image quality to be useful for confined search parameters and obviously limited for IR video.

We have not had the opportunity to do a side by side actual comparison but will be sticking to Briefcam for now.

Regards,

Darryl Branker
Detective Constable #9450 | Homicide Squad |Forensic Video Avalysis Unit| Toronto Police Service

Ph: 416-808-7420 | Mobile: 416-473-8966 | Fax: 416-808-7402
Darryl.branker@torontopolice.on.ca

Chris not sure what you've gotten back, but I'd love to know what you learn. We had small license of Vintra, which worked ok. The issue is, because you upload the video to a server (which we had potential evidentiary issues) and because the issues with validation of Deep Learning software, we saw it as a good lead finding tool for Detectives more than a tool for analysis at this point. Maybe it'll get there, but I felt like we could be sure it found all the persons or vehicles, and some of the people it found were the leaves on a tree blowing.

One thing we have started using more for long videos is Griffeye Analyze DI. While the carver doesn't work for CCTV drives, the video tools are pretty handy. You can have it examine a section of video and in about 2 minutes (depending on the length of the video) it will spit out a time line with heat map showing when pixels change in that location. It can also split the videos into segments and play them simultaneously meaning you can watch 6 sections of the video at the same time (hard when there is a lot of motion, but easy if you are just looking for anything in a parking garage.)

Briefcam we looked at a couple years ago, but it was at the time more for a dedicated camera and the license was a bit steep.

Plano
City of Excellence

Police Department

Serving Since 2014

Blake Sawyer-*CFVA CFVE*
Digital Media Forensic Specialist

909 14th Street
Plano, Texas 75074
T 972.941.2473
blakes@plano.gov
plano.gov

Connect with Plano

Hi friends,

Can anyone speak to the AI products Vintra FulcrumAI Investigator, Veritone aiWARE, or Briefcam?

I've already spoken to someone about Briefcam, and their review was positive.

I'm trying to solve two problems:

1. Video review: reviewing a DVR full of video takes foreverrrrrrrr, and is a waste of human resources. I need a product/machine that reviews the video for me, and displays meaningful results that I can filter. Show me all the trucks, show me all the people, show me all the faces – etc.
2. Facial recognition: if the system finds people, I want it to compare those results with our arrest system photos. Passively, and actively – as in, show me bad people even if I'm not specifically looking for them AND show me every time "bad person A" shows up. (I choose "bad person A," and want to see every time he shows up in any video that has been processed by the system.

If you are using anything else that I may find interesting, please let me know.

I've already done extensive research and development using experimental and prototype software – and I know the above is possible because I did it. What I need, though, is a commercially available and supported application that is scalable, not in the cloud, and actually does what it says it does. On-prem is preferred for performance and Privacy Act limitations. (On-prem is waaaaaaay faster overall, if your infrastructure is speedy. Uploading to a cloud and waiting for processing is very time consuming.)

Thanks in advance to those who can share some feedback with me!

Chris

Chris Stoddard CFVA
Vancouver Police Department
Forensic Services Section
Forensic Video Unit
Forensic Video Analyst
Phone: 604-717-3313
chris.stoddard@vpd.ca